Section III

RIGGING HOWITZERS WITH TWO 81-MILLIMETER MORTARS

8-34. Description of Load

Two M119, 105-millimeter howitzers (line number H57505) are rigged on a 20-foot, type V airdrop platform with an accompanying load of 68 boxes of ammunition, 21 cans of fuzes (when required), and two 81-millimeter mortars with six boxes of mortar ammunition. This load requires five G-11B cargo parachutes.

8-35. Preparing Platform

Prepare a 20-foot, type V airdrop platform as described in Paragraph 8-2, and as shown in Figure 8-1.

8-36. Stowing and Lashing First Group of Ammunition Boxes

Stow and lash the first group of ammunition boxes as shown in Figures 8-2 and 8-3.

8-37. Packaging and Securing Mortar Components

Build the wooden box for the mortar components as shown in Figure 8-39. Pack the mortar components in the box and close the box as shown in Figure 8-40. Place the mortar ammunition on the load and secure the mortar package as shown in Figure 8-41.

NOTICE OF EXCEPTION: Exception to FM 10-500-2/TO 13C7-1-5 is granted to rig ammunition with one layer of honeycomb.

Note: The mortar and ammunition are rigged as part of the second ammunition stack. See Section I, paragraph 8-4 of this chapter for procedures for rigging the remainder of the second ammunition stack.

8-38. Rigging Howitzers

Complete the rigging of this load as shown in Section I of this chapter.

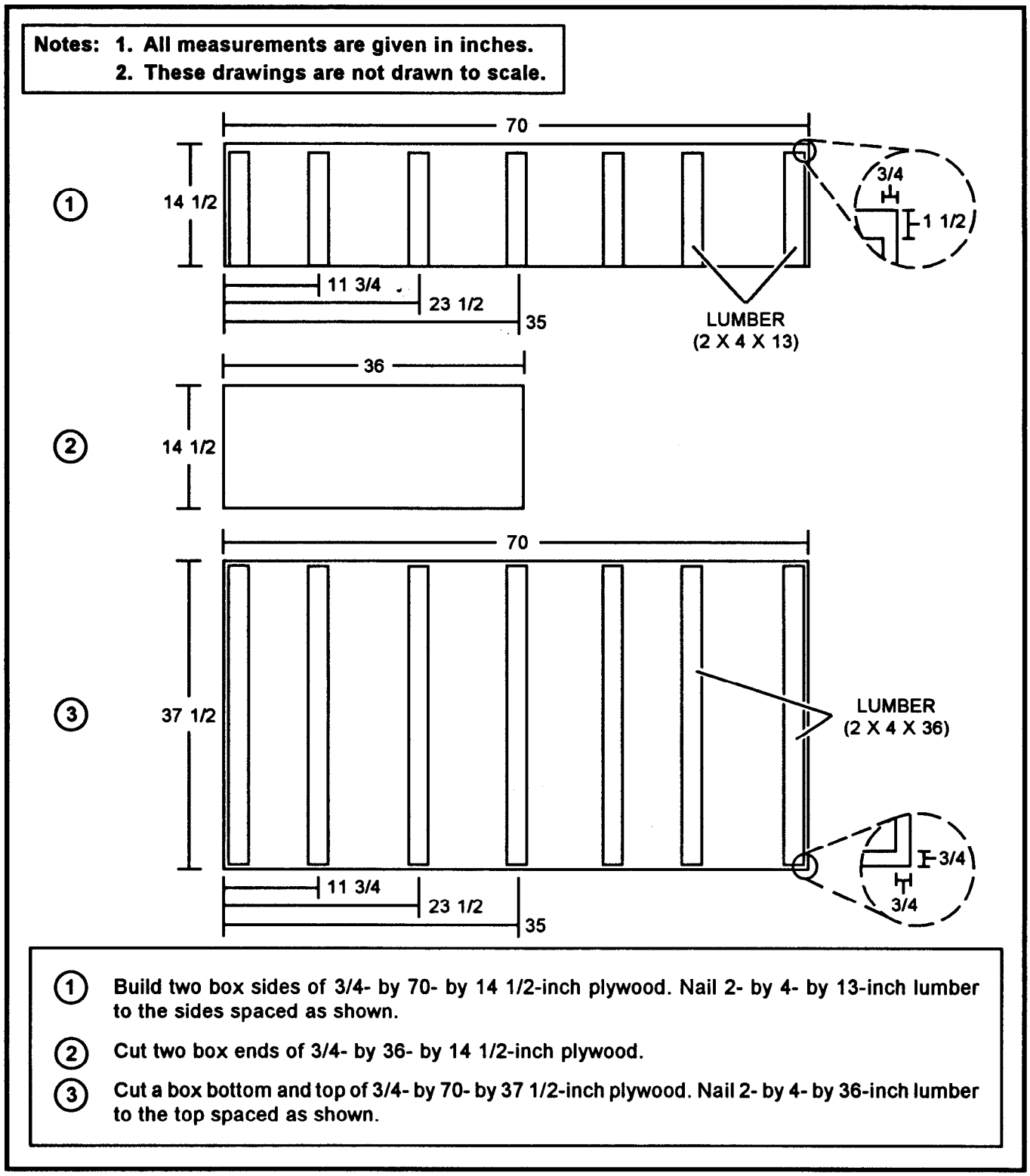
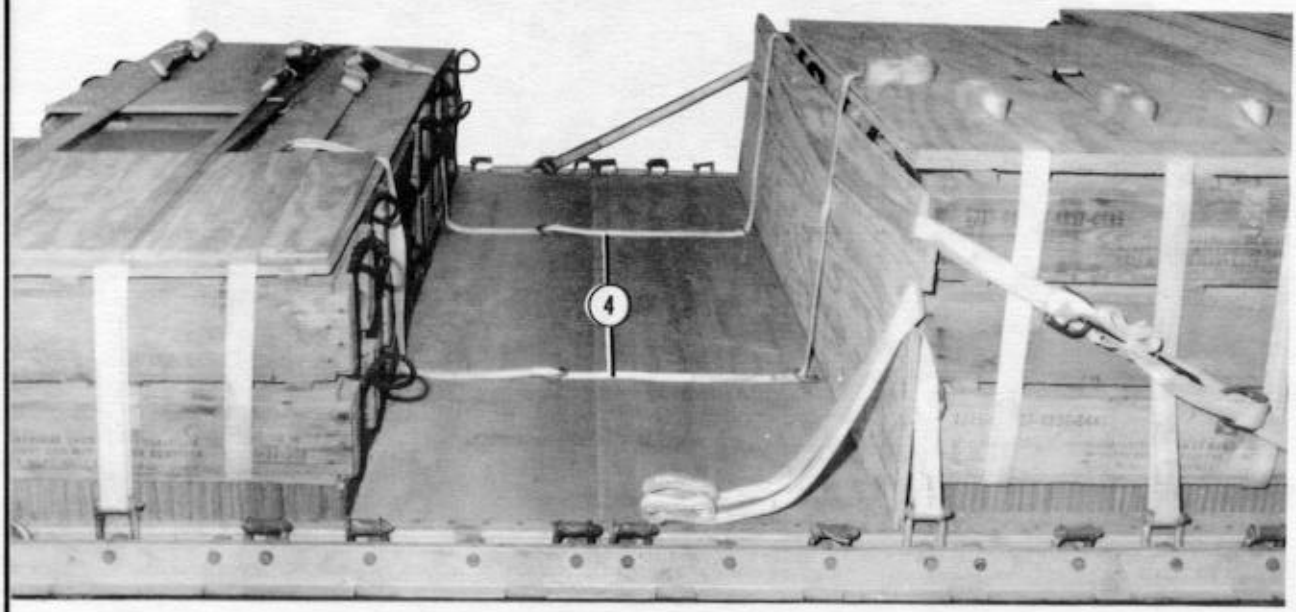
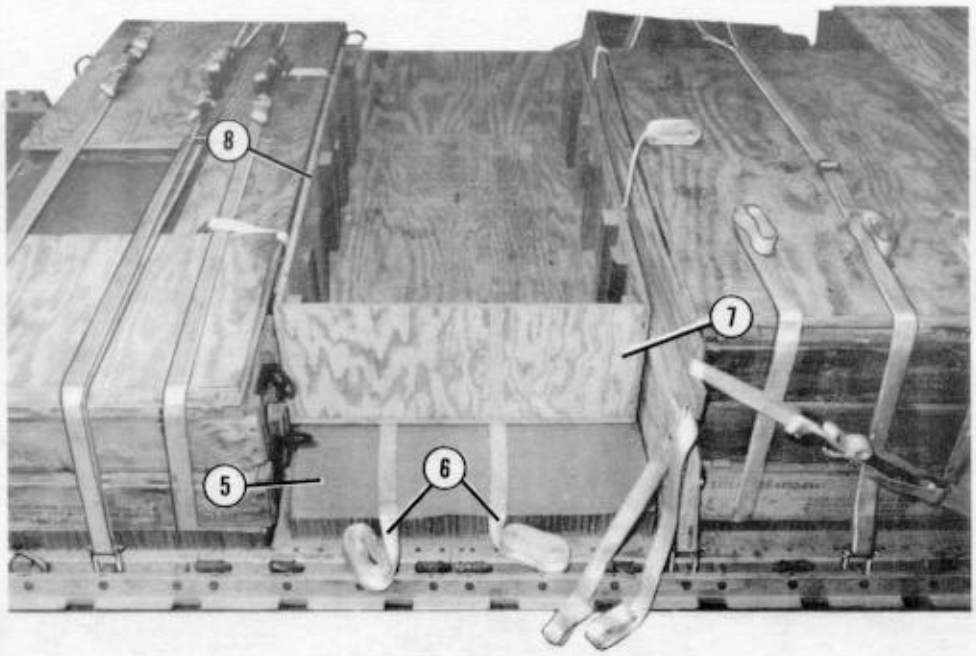


Figure 8-39. Box for mortars constructed



(4) Pass a 15-foot lashing through tie-down rings A5 and A6. Pass a 15-foot lashing through tie-down rings B5 and B6.

Figure 8-39. Box for mortars constructed (continued)



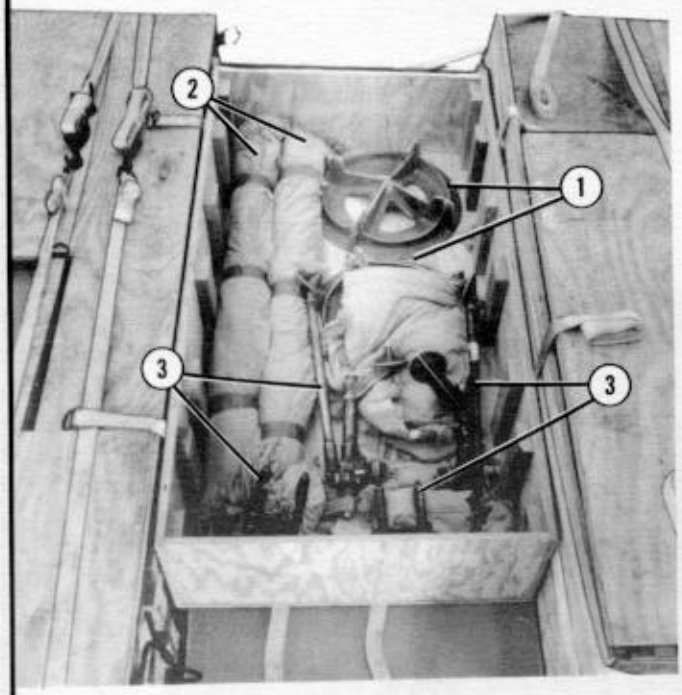
(5) Place a 96- by 36-inch piece of honeycomb against the second endboard.

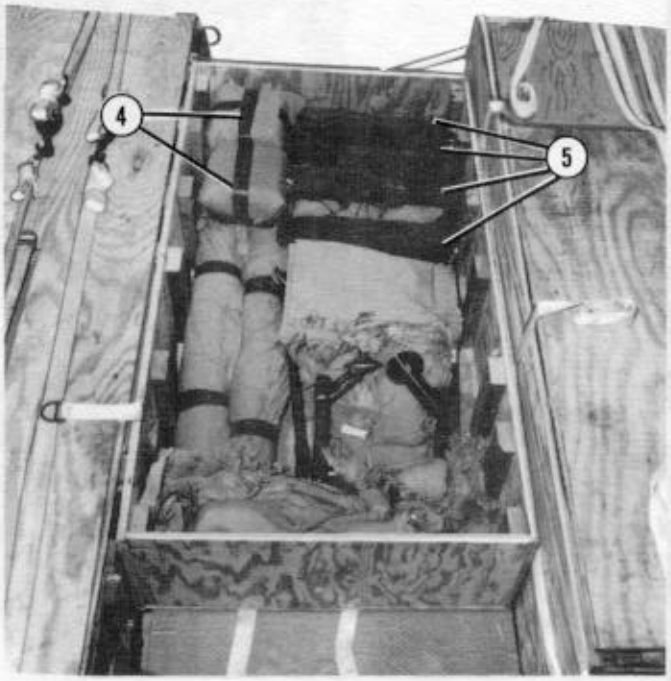
(6) Center a 30-foot lashing 8 inches from the rear edge of the honeycomb. Center a 30-foot lashing 10 inches to the front of the first lashing.

(7) Nail the box ends to the sides through the lumber at the box corners. Nail the box bottom to the sides and ends.

(8) Center the box over the lashings and honeycomb.

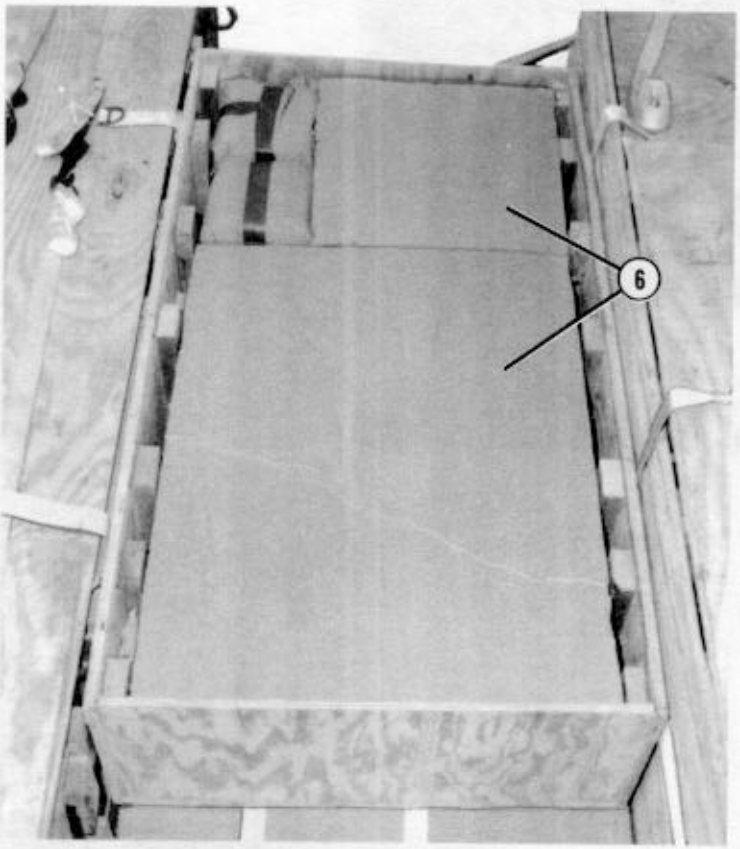
Figure 8-39. Box for mortars constructed (continued)





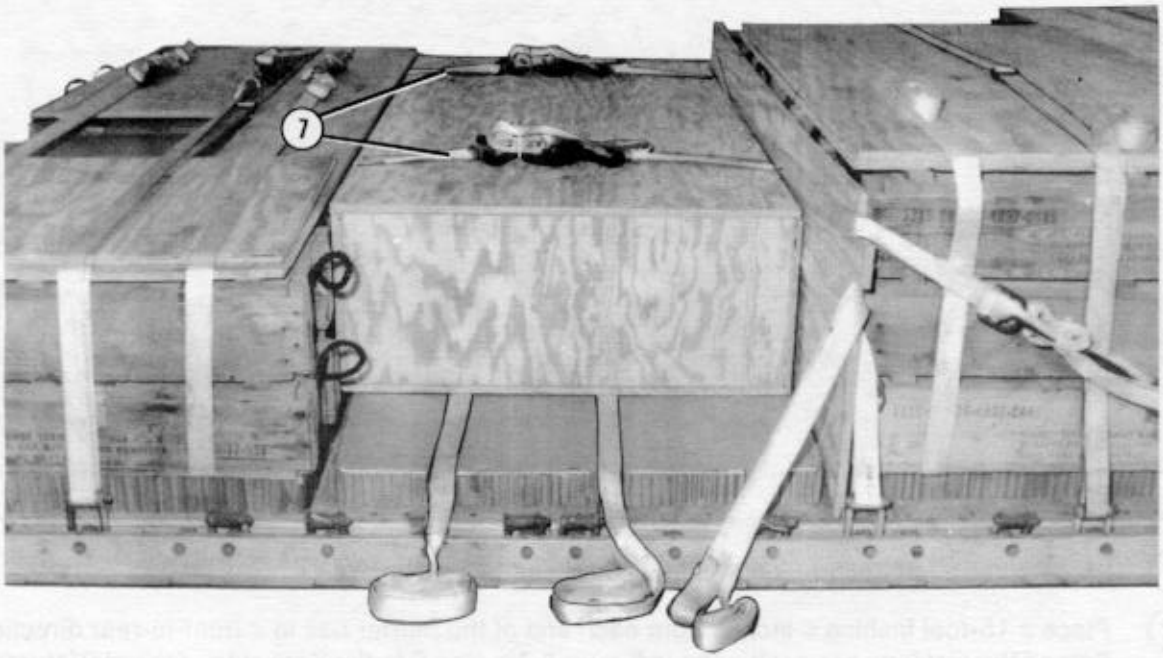
1. Place the two mortar baseplates in the bottom of the box upside down.
2. Wrap the mortar tubes in cellulose wadding taped in place and lay them together beside the base plates.
3. Pad the baseplates with cellulose wadding and lay the bipods and mounts over them.
4. Pad the sight boxes with cellulose wadding taped in place, and lay them over the tubes.
5. Place the aiming pole bags over the padded base plate.

Figure 8-40. Mortar components placed in box



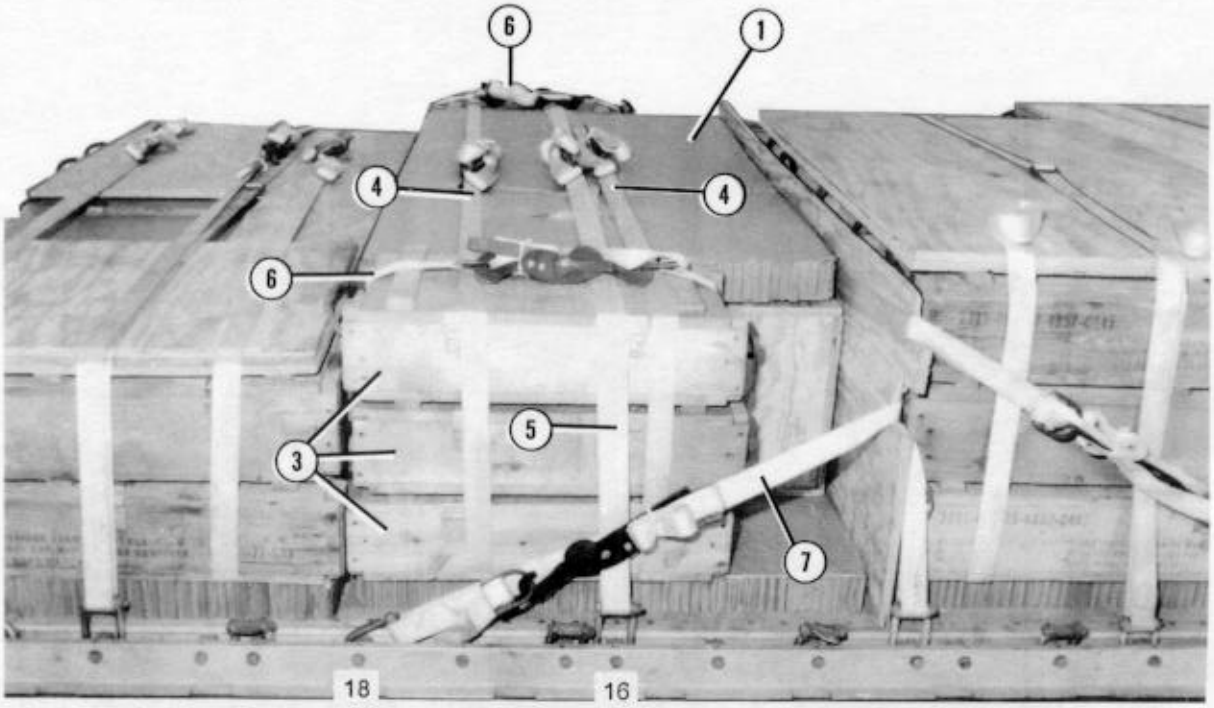
(6) Fill in empty space with additional equipment or honeycomb cut to fit.

Figure 8-40. Mortar components placed in box (continued)



(7) Nail the top onto the box. Secure the lashings pre-positioned in Figure 8-39, step 4 over the box.

Figure 8-40. Mortar components placed in box (continued)



1. Place a 70- by 35-inch piece of honeycomb on the mortar box.
2. Place a 15-foot lashing 6 inches from each end of the mortar box in a front-to-rear direction. Extend the lashings pre-positioned in Figure 8-39, step 6 to the right side of the platform (not shown).
3. Place three boxes of mortar ammunition at each end of the mortar box flush with the rear edge of the box.
4. Secure the lashings pre-positioned in Figure 8-39, step 6 on top of the mortar box and honeycomb cover.
5. Run a 30-foot lashing through clevises 16 and 17A and over the top of the mortar box. Secure the lashing on top of the box.
6. Secure the lashings pre-positioned in step 2 above on top of the boxes of mortar ammunition.
7. Secure the lashing pre-positioned through clevis 19A and around the second endboard to clevis 18. Secure the lashing on the right side.

Figure 8-41. Mortar ammunition placed and secured

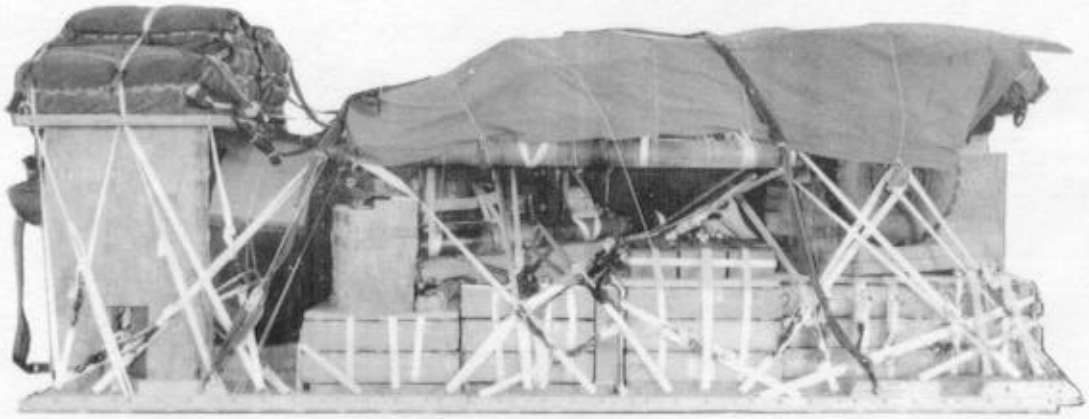
8-39. Marking Rigged Load

Mark the rigged load according to FM 10-500-2/ TO 13C7-1-5 and as shown in Figure 8-42. Complete DD Form 1387-2, and securely attach it to the load. Indicate on DD Form 1387-2 that the load has been prepared according to AFJMAN 24-240. Use FM 10-500-2/TO 13C7-1-5 to compute the weight, height, CB, and parachute requirements for loads that differ from the load shown.

8-40. Equipment Required

Use the equipment listed in Table 8-1 to rig the load shown, with the addition of six tie-down assemblies and the materials needed for the mortar box.

CAUTION: Make the final rigger inspection required by FM 10-500-2/TO 13C7-1-5 before the load leaves the rigging site.



CB

RIGGED LOAD DATA

Weight:	Load shown	21,940 pounds
	Maximum load allowed	22,500 pounds
Height		98 inches
Width		108 inches
Length		274 inches
Overhang:	Front	17 inches
	Rear	17 inches
CB (from front edge of platform)		110 inches
Extraction System		EFTC

Figure 8-42. Two M119 howitzers rigged with two 81-millimeter mortars for low-velocity airdrop on a type V platform